RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/446,402A

DATE: 04/13/2001
TIME: 13:35:15

Input Set : A:\LUCYsequence list.APP.txt
Output Set: N:\CRF3\04122001\1446402A.raw

ENTERED

Page 1 of 7

4 <110> APPLICANT: Black Jr., Charles A. 6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR ACTIVATING GENES OF INTEREST 9 <130> FILE REFERENCE: 5722-2(35722/191928) 11 <140> CURRENT APPLICATION NUMBER: 09/446,402A 12 <141> CURRENT FILING DATE: 1999-12-20 14 <150> PRIOR APPLICATION NUMBER: PCT/US98/13093 15 <151> PRIOR FILING DATE: 1998-06-24 17 <150> PRIOR APPLICATION NUMBER: 60/050,772 18 <151> PRIOR FILING DATE: 1997-06-25 20 <160> NUMBER OF SEQ ID NOS: 19 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0 24 <210> SEQ ID NO: 1 25 <211> LENGTH: 4279 26 <212> TYPE: DNA 27 <213> ORGANISM: Artificial Sequence 29 <220> FEATURE: 30 <223> OTHER INFORMATION: Recombinant Molecule containing multiple cloning site, kozak sequence, LacZ gene. 31 33 <221> NAME/KEY: misc_feature 34 <222> LOCATION: (1)...(64) 35 <223> OTHER INFORMATION: Multiple cloning site 37 <221> NAME/KEY: misc_feature 38 <222> LOCATION: (65)...(79) 39 <223> OTHER INFORMATION: Consensus sequence for the "Kozak sequence" (translation initiation) 42 <221> NAME/KEY: prim_transcript 43 <222> LOCATION: (80)...(4279) 44 <223> OTHER INFORMATION: Beta galactosidase '46 <400> SEQUENCE: 1 47 ttaatacgac tcactatagg ctagcctcga gaattcacgc gtggtacctc tagagtcgac 48 ccgggccgcc gccaccatgg cgcagcacca tggcctgaaa taacctctga aagaggaact 120 180 49 tggttaggta ccttctgagg cggaaagaac cagctgtgga atgtgtgtca gttagggtgt 50 ggaaagtccc caggctcccc agcaggcaga agtatgcaaa gcatgcatct caattagtca 240 51 gcaaccaggt gtggaaagtc cccaggctcc ccagcaggca gaagtatgca aagcatgcat 300 52 ctcaattagt cagcaaccat agtcccgcc ctaactccgc ccatcccgcc cctaactccg 360 53 cccaqttccq cccattctcc qccccatqqc tqactaattt tttttattta tqcaqaqqcc 420 54 gaggeegeet eggeetetga getatteeag aagtagtgag gaggettttt tggaggeeta 480 540 55 ggcttttgca aaaagcttgg gatctctata atctcgcgca acctattttc ccctcgaaca 56 ctttttaagc cgtagataaa caggctggga cacttcacat gagcgaaaaa tacatcgtca 600 57 cctgggacat gttgcagatc catgcacgta aactcgcaag ccgactgatg ccttctgaac 660 58 aatggaaagg cattattgoc gtaagccgtg gcggtctggt accggtgggt gaagaccaga 720 59 aacagcacct cgaactgagc cgcgatattg cccagcgttt caacgcgctg tatggcgaga 780 60 togatocogt cgttttacaa cgtcgtgact gggaaaaccc tggcgttacc caacttaatc 840 61 gccttgcagc acatececet ttegecaget ggcgtaatag egaagaggee egeaeegate 900 62 gecetteeca acagttgege agectgaatg gegaatggeg etttgeetgg ttteeggeae 960

63 cagaageggt geeggaaage tggetggagt gegatettee tgaggeegat actgtegteg

1020

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79	ccgtgcgctg	ttcgcattat	ccgaaccatc	cactataata	cacgetgtge	gaccactaca	1980
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89	cggcttacgg	caataatttt	agcastacac	caaacaataa	coagttetat	adcecegiggi	2520
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91	ttttccagtt	ccatttatcc	aggcaaacca	tagaagtgaa	agcaaaacac	caycaycagt	2640
92	atagcgataa	caaactacta	gagtagataa	tagaagtaga	tagtagaatae	ctgtteegte	2700
93	gtgaagtgcc	totagatata	actogrates	gtaaagatt	rottenante	ctggcaageg	2760
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TO 2	tcgacggttt	ccatatgggg	attggtggcg	acgactcctg	gagcccgtca	gtatcggcgg	3780
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111	aaccgggcag	gccatgtctg	cccgtatttc	gcgtaaggaa	atccattatg	tactatttaa	3900
112	aaaacacaaa	cttttggatg	ttcggtttat	tctttttctt	ttacttttt	atcatgggag	3960

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	tgctttctga caaactcgga acttgtttat tgcagcttat aatggttaca aataaagcaa	4140		
116	tagcatcaca aatttcacaa ataaagcatt tttttcactg cattctagtt gtggtttgtc	4200		
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477	Value of the state	

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	gcacauaucg aggugaacau cacguacgcg gaauacuucg aaauguccgu ucgguuggca	240			
287	gaagcuauga aacgauaugg gcugaauaca aaucacagaa ucgucguaug cagugaaaac	300			
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294	accuaagggu guggcccuuc cgcauagaac ugccugcguc agauucucgc augccagaga	720			
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VERIFICATION SUMMARY

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